

ABSTRACT OF THE DISCLOSURE

An apparatus for cutting dados in two boards used to form a box joint includes a support member and a rear member adapted for securing the apparatus to a miter of a table saw or to another type of a woodworking power tool. An insert assembly in the support member includes an adjustable elliptical pin having an oval shaped cross-section. The elliptical pin is adapted for rotational placement into a dado cut and, subsequent to its rotation sufficient to remove all slack intermediate the pin and the boards followed by a tightening thereof, for securing the boards in place for subsequent dado cuts. An insert is placed in the insert assembly and is used to establish the proper offset from the elliptical pin to a dado blade or other type of a cutting instrument. Different sized elliptical pins and inserts are used with different sized dado blades or cutting instruments. The step sequence necessary to make all of the dado cuts in both boards is described.